

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT****Complete if Known**

Sheet	1	of	3	Application Number	10/076,071
				Filing Date	February 13, 2002
				First Named Inventor	David Bar-Or
				Art Unit	1656
				Examiner Name	Anand U. Desai
				Attorney Docket Number	4172-3-2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee of Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	4952395	08/28/90	Shinnick et al.	
	2	6579891	06/17/03	Jose A. Fernandez-Pol	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code ³ ; Number ⁴ ; Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Examiner Initials*	Cite No. ¹	
	3	Bolli R., "Recurrent Ischemia in the Canine Heart Causes Recurrent Bursts of Free Radical Production That Have s Cumulative Effect on Contractile Function", Journal of clinical investigation, (1995 Aug) 96(2) 1066-84.
	4	Boyle et al., "INHIBITION OF INTERLEUKIN-8 BLOCKS MYOCARDIAL ISCHEMIA-REPERFUSION INJURY", J. Thorac. Cardiovasc. Surg., 116:114-121 (1998)
	5	Cai Q, "Antioxidative Properties of Histidine and Its Effect on - Myocardial Injury During Ischemia/Reperfusion in Isolated Rat Heart", Journal of cardiovascular pharmacology, (1995 Jan) 25(1)
	6	Chen, Hua-Ming, "Antioxidative Properties of Histidine-Containing Peptides Designed from Peptide Fragments Found in the Digests of a Soybean Protein", Journal of Agricultural and Food Chemistry 46(1), 49-53, 1998.
	7	Coddington, A., "The binding of Fe+++ to native and chemically modified human serum albumin in the presence of sodium citrate", Biochimica et Biophysica Acta 44, 361-3, 1960.
	8	Flaherty, J. T., "Myocardial Injury Mediated by Oxygen Free Radicals", Am. J. Med. 91, 3C79S-3C85S, 1991.
	9	Giannitsis E., "Neutrophil-Derived Oxidative Stress After Myocardial Ischemia Induced by Incremental Atrial Pacing", Pacing and clinical electrophysiology: PACE, (1998 Jan) 21 (1 Pt 2) 157-62.

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10	Guan, Le Luo, "Isolation and Evaluation of Nonsiderophore Cyclic Peptides from Marine Sponges", Biochemical and Biophysical Research Communications 283(4), 976-981, 2001)
11	Hensley, "Reactive Oxygen Species as Causal Agents in the Neurotoxicity of the Alzheimer's Disease-Associated Amyloid Beta Peptide", Ann N.Y. Acad. Sci. 786: 120-134, 1996.
12	Kaplan, "SYNTHETIC ACTH ANALOGUE SEMAX DISPLAYS NOOTROPIC-LIKE ACTIVITY IN HUMANS", Neuroscience Research Communications 19(2), 115-123, 1996.
13	Kiyokawa, T., "Binding of Cu(II) or Zn(II) in a de novo designed triple-stranded α -helical coiled-coil toward a prototype for a metalloenzyme", Journal of Peptide Research 63(4), 347-353, 2004)
14	Lonn E., "Effects of oxygen free radicals and scavengers on the cardiac, I extracellular collagen matrix during ischemia-reperfusion", Canadian journal of cardiology, (1994 Mar) 10(2) 203-13.
15	Mack, "Design and Chemical Synthesis of a Sequence-Specific DNA-Cleaving Protein", J. Am. Chem. Soc. 110, 7572, 1988.
16	Manjari V, "Oxidant tress antioxidants nitric oxide and essential fatty-acids in peptic ulcer disease", Prostaglandins, leukotrienes, and Essential Fatty Acids 59(6) p. 401-6, 1998.
17	Morikawa, Ei haru, "Treatment of Focal Cerebral Ischemia With Synthetic Oligopeptide Corresponding to Lectin Domain of Selectin", Stroke (Dallas) 27(5), 951-956, 1996.
18	Mukaida et al., "Inhibition of neutrophil-mediated acute inflammatory injury by an antibody against interleukin-8 (IL-8)", Inflamm. Res., 47, Supplement 3, S151-S157 (1998).
19	Norgaard, "Specific Neutrophil Hyporesponsiveness in Chronic Helicobacter pylori Infection", Journal of infectious diseases 174(3) p. 544-51, 1996.
20	O'Neill C A, "Hydroxyl radical production during myocardial ischemia and reperfusion in cats", American journal of physiology, (1996 Aug) 271 (2 Pt 2) H660-7.
21	Seko, Yoshinori, "REDUCTION OF RAT MYOCARDIAL ISCHAEMIA/REPERFUSION INJURY BY A SYNTHETIC SELECTIN OLIGOPEPTIDE" Journal of Pathology 178(3), 335-42, 1996.
22	Tsuruma et al., "Anti-Rat IL-8 (CINC) Monoclonal Antibody Administration Reduces Ischemia-Reperfusion Injury in Small Intestine", Trans. Pro., 30, 2644-2645 (1998).
23	VALADON, "Aspects of Antigen Mimicry Revealed by Immunization with a Peptide Mimetic of Cryptococcus neoformans Polysaccharide", J. Immunol. 161, 1998, pages 1829-36.
24	Yang et al., "Fully human anti-interleukin-8 monoclonal antibodies: potential therapeutics for the treatment of inflammatory disease states", J. Leukoc. Biol., 66:401-410 (September 1999).

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25	Zachariou, "Protein Selectivity in Immobilized Metal Affinity Chromatography Based on the Surface Accessibility of Aspartic and Glutamic Acid Residues", <i>Journal of Protein Chemistry</i> 14(6), 419-30, 1995.
26	Zweier, J., "Direct Measurement of Free Radical Generation Following Reperfusion of Ischemic Myocardium", <i>Proc Natl Acad Sci</i> 84: 1404-1407, 1987.
27	Bush, "Metals and neuroscience," <i>Current Opinion in Chemical Biology</i> , 4:184-191 (2000).
28	Rotilio et al., "Copper-Dependent Oxidative Stress and Neurodegeneration," <i>Life</i> , 50:309-314 (2000).
29	Sayre et al., "Redox metals and neurodegenerative disease," <i>Current Opinion in Chemical Biology</i> , 3:220-225 (1999).
30	Waggoner, et al., "The Role of Copper in Neurodegenerative Disease," <i>Neurobiology of Disease</i> , 6:221-230 (1999).
31	Brem, "Angiogenesis and Cancer Control: From Concept to Therapeutic Trial," http://www.cancerprotocol.com/links/mofattusf_article2.html
32	Corazza et al., "1H, 13C-NMR and X-ray absorption studies of copper(I) glutathione complexes," <i>Eur. J. Biochem.</i> , 236:697-705 (1996)
33	Koch et al., "Copper-binding motifs in catalysis, transport, detoxification and signaling," <i>Chem. & Biol.</i> , 4(8):549-560 (1997)
34	Matsubara et al., "Inhibition of Human Endothelial Cell Proliferation In Vitro and Neovascularization In Vivo by D-Penicillamine," <i>J. Clin. Invest.</i> , 83:158-167 (1989).
35	Mlynarz et al., "Impact of the peptide sequence on the coordination abilities of albumin-like tripeptides towards Cu2+, Ni2+ and Zn2+ ions. Potential albumin-like peptide chelators," <i>New J. Chem.</i> , 26:264-268 (2002)
36	Sokolowska et al., "Short peptides are not reliable models of thermodynamic and kinetic properties of the N-terminal metal binding site in serum albumin," <i>Eur. J. Biochem.</i> , 269:1323-1331 (2002)
37	Raju et al., "Ceruloplasmin, Copper Ions, and Angiogenesis," <i>JNCI</i> , 69:1183-1188 (1982)

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